

# PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

*act 19  
5/11/01  
y/c*

## PCT

### NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

To:

JOSEPH S. PRESTA  
NIXON & VANDERHYE P.C.  
1100 NORTH GLEBE ROAD  
SUITE 800  
ARLINGTON VA 22201-4714

*JSP*

Date of Mailing  
(day/month/year)

**21 MAR 2001**

Applicant's or agent's file reference

3912-3

**FOR FURTHER ACTION** See paragraphs 1 and 4 below

International application No.

PCT/US00/32491

International filing date  
(day/month/year)

30 NOVEMBER 2000

Applicant

NEW MEDIA TECHNOLOGY, CORP.

1. ☒ The applicant is hereby notified that the international search report has been established and is transmitted herewith.

**Filing of amendments and statement under Article 19:**

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

**When?** The time limit for filing such amendments is normally 2 months from the date of transmittal of the international search report; however, for more details, see the notes on the accompanying sheet.

**Where?** Directly to the International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland  
Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. ☐ With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90 *bis* 1 and 90 *bis* 3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

Name and mailing address of the ISA/US  
Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

THUY PARDO

Telephone No. (703) 305-9707

*Pappy Harwood*

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner  
US Department of Commerce  
United States Patent and Trademark  
Office, PCT  
2011 South Clark Place Room  
CP2/5C24  
Arlington, VA 22202  
ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

Date of mailing:

07 June 2001 (07.06.01)

International application No.:

PCT/US00/32491

Applicant's or agent's file reference:

3912-3

International filing date:

30 November 2000 (30.11.00)

Priority date:

30 November 1999 (30.11.99)

Applicant:

SMITH-SMEDO, Charles et al

1. The designated Office is hereby notified of its election made:



in the demand filed with the International preliminary Examining Authority on:

27 March 2001 (27.03.01)



in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was



was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer:

J. Zahra

Telephone No.: (41-22) 338.83.38

09/806008

## PATENT COOPERATION TREATY

PCT

REC'D 05 NOV 2001

WIPO PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

#6  
11/7/02  
Aw.

Applicant's or agent's file reference 3912-3	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US00/32491	International filing date (day/month/year) 30 NOVEMBER 2000	Priority date (day/month/year) 30 NOVEMBER 1999
International Patent Classification (IPC) or national classification and IPC IPC(7): G06F 17/30, 1/04 and US Cl.: 707/3, 10, 102, 202; 713/502		
Applicant NEW MEDIA TECHNOLOGY, CORP.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets.

☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 0 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of report with regard to novelty, inventive step or industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability, citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand  27 MARCH 2001	Date of completion of this report  20 OCTOBER 2001
Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	Authorized officer <i>Peggy Harrod</i> THOMAS BLACK
Facsimile No. (703) 305-3230	Telephone No. (703) 305-9707

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/32491

## I. Basis of the report

## 1. With regard to the elements of the international application:\*

☐ the international application as originally filed☒ the description:

pages 1-33 , as originally filed  
pages NONE , filed with the demand  
pages NONE , filed with the letter of \_\_\_\_\_

☒ the claims:

pages 34-36 , as originally filed  
pages NONE , as amended (together with any statement) under Article 19  
pages NONE , filed with the demand  
pages NONE , filed with the letter of \_\_\_\_\_

☒ the drawings:

pages 1-50 , as originally filed  
pages NONE , filed with the demand  
pages NONE , filed with the letter of \_\_\_\_\_

☒ the sequence listing part of the description:

pages NONE , as originally filed  
pages NONE , filed with the demand  
pages NONE , filed with the letter of \_\_\_\_\_

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.  
These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).☐ the language of publication of the international application (under Rule 48.3(b)).☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

## 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

☐ contained in the international application in printed form.☐ filed together with the international application in computer readable form.☐ furnished subsequently to this Authority in written form.☐ furnished subsequently to this Authority in computer readable form.☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.4. ☒ The amendments have resulted in the cancellation of:☒ the description, pages NONE☒ the claims, Nos. NONE☒ the drawings, sheets/fig NONE5. ☐ This report has been drawn as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

\*\*Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/32491

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. statement**

Novelty (N)	Claims	<u>NONE</u>	YES
	Claims	<u>1-3, 5-14, 16-23</u>	NO
Inventive Step (IS)	Claims	<u>NONE</u>	YES
	Claims	<u>1-23</u>	NO
Industrial Applicability (IA)	Claims	<u>1-23</u>	YES
	Claims	<u>NONE</u>	NO

**2. citations and explanations (Rule 70.7)**

Claims 1-3, 5-14, and 16-23 lack novelty under PCT Article 33(2) as being anticipated by Goldberg et al. (Goldberg) patent no. 5,655,117.

As to claim 1, Goldberg teaches the invention substantially as claimed, comprising:  
a timer object that provides a time reference upon request in connection with the media [col. 3, lines 30-41]; and  
a logger object that logs predefined events that occur in the media by associating the events with respective time reference from the timer object [time-based object-oriented, col. 3, lines 10-49].

As to claim 12, Goldberg teaches the invention substantially as claimed. Basso further teaches:  
a video server [100 of fig. 1] that captures and digitally stores events logged by the logging application as media segments [segment chunk, 216 of fig. 2; 414 of fig. 4]; and  
a search and retrieval engine [inherent in the system in order to query targets in video index file, see fig. 7] that enables the media segments to be located and retrieved based on the indexes [fig. 7; col. 10, lines 11-21].

As to claim 20, Goldberg teaches the invention substantially as claimed. Goldberg further teaches:  
a graphical user interface generator that creates customized user interfaces for the logging application based on information entered in a database [inherent in the system].

As to claims 2, 14, and 21, Goldberg teaches the invention substantially as claimed. Goldberg further teaches a graphic user interface having a plurality of interface objects that can be selected by a user of the logging system in order to log events that occur in the media [inherent in the system].

As to claims 3, 13, Goldberg teaches the invention substantially as claimed. Goldberg further teaches predetermined events that may typically occur in the particular media being logged [122 of (Continued on Supplemental Sheet.)

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/32491

**Supplemental Box**

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

**V. 2. REASONED STATEMENTS - CITATIONS AND EXPLANATIONS (Continued):**  
fig. 1].

As to claims 6-8, 16-18, Goldberg teaches the invention substantially as claimed. Goldberg further teaches that automatically logs predetermined events in the media being logged based on video analysis, text analysis, and audio analysis [col. 9, lines 15-35].

As to claims 9, 10 and 19, Goldberg teaches the invention substantially as claimed. Goldberg further teaches a feature that enables the media segments to be selectively retrieved and viewed [col. 9, lines 24-31; fig. 2].

As to claim 11, Goldberg teaches the invention substantially as claimed. Goldberg further teaches using various search parameters [col. 10, lines 8-20].

The elements of claims 5, 13, 22, and 23 are addressed rejected in the analysis above, and these claims are rejected on that basis.

Claims 4 and 15 lack an inventive step under PCT Article 33(3) as being obvious over Goldberg et al. (Goldberg) patent no. 5,655,117.

As to claims 4, 15, Goldberg teaches the invention substantially as claimed, with the exception of logging a sporting event. However, this feature is a matter of a design choice, and it is well-applied in the multimedia system. It would have been obvious to one of ordinary skill in the Data Processing art at the time of the invention to apply this feature in the system as an essential means to log in different categories.

----- NEW CITATIONS -----

NONE

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 3912-3	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <b>FOR FURTHER ACTION</b> </div> <div style="font-size: small;">             see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.           </div> </div>	
International application No. PCT/US00/32491	International filing date ( <i>day/month/year</i> ) 30 NOVEMBER 2000	(Earliest) Priority Date ( <i>day/month/year</i> ) 30 NOVEMBER 1999
Applicant NEW MEDIA TECHNOLOGY, CORP.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (See Box II).

4. With regard to the title,

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

- ☐ the text is approved as submitted by the applicant.
- ☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No. \_\_\_\_\_

- ☐ as suggested by the applicant.
- ☐ because the applicant failed to suggest a figure.
- ☐ because this figure better characterizes the invention.

☒ None of the figures.

**Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)**

A customizable logging and content management system for indexing multimedia, including a synchronized timer object that provides a time reference upon request in connection with the media, and a logger object that logs predefined events that occur in the media by associating the events with respective time references from the timer object. A video server is provided that captures and digitally stores events logged by the logging application as media segments, and a search and retrieval engine is provided that enables the media segments to be located, retrieved and viewed based on the indexes. The system includes a graphical user interface generator that enables customized user interfaces and logging databases to be created from database tables for use in the logging application.



## INTERNATIONAL SEARCH REPORT

 International application No.  
 PCT/US00/32491
**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : G06F 17/30, 1/04

US CL : 707/3, 10, 102, 202; 713/502

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 707/3, 10, 102, 202; 713/502

 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
 NONE

 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 WEST
**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,983,218 A (SYEDA-MAHMOOD) 09 November 1999, the entire paper is relevant	1-23
X	US 5,924,096 A (DRAPER et al.) 13 July 1999, the entire paper is relevant	1, 12, and 20
X	US 5,907,848 A (ZAIKEN et al.) 25 May 1999, the entire paper is relevant	1, 12, and 20
Y	US 5,655,117 A (GOLDBERG et al.) 05 August 1997, the entire paper is relevant	1-23
Y	US 5,630,121 A (BRADEN-HARDER et al.) 13 May 1997, the entire paper is relevant	1-23

☒ Further documents are listed in the continuation of Box C.
 ☐ See patent family annex.

* Special categories of cited documents:	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
*A* document defining the general state of the art which is not considered to be of particular relevance	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
*B* earlier document published on or after the international filing date	*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	*A* document member of the same patent family
*O* document referring to an oral disclosure, use, exhibition or other means	
*P* document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

01 FEBRUARY 2001

Date of mailing of the international search report

21 MAR 2001

 Name and mailing address of the ISA/US  
 Commissioner of Patents and Trademarks  
 Box PCT  
 Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

THUY PARDO

Telephone No. (703) 305-9707

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US00/32491

**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,491,815 A (BASSO et al.) 13 February 1996, the entire paper is relevant	1-23